

PROJECT: Midnite Mine Remediation

REPORT NO: 2019-027

OWNER: Newmont/Dawn Mining

OPERATOR: Newmont/Dawn Mining

Summary of Work Activities or Events for this reporting period:

This weekly report provides a summary of Midnite Mine Site (Site) remediation action (RA) construction activities, quality assurance (CQA), quality control (CQC) and engineering activities for the period September 27 – October 3, 2019. The Site activities discussed in this weekly report include, but are not limited to: Site Health, Safety, and Security; Community Liaison, Project Meetings, Regulatory Oversight, Site Visitors; Site Mobilization; RA Activities; Project Documentation; and Site Inspections.

The project SharePoint site includes the Project documentation discussed in this report. Access to the project SharePoint site is available at the following link: <https://amcollab.mwhtools.com/sites/midnitemine>

SITE HEALTH, SAFETY, AND SECURITY

MIDNITE MINE HEALTH & SAFETY SUMMARY: Reporting Period September 27 – October 3, 2019

FIRST AID INJURY	0	PROPERTY DAMAGE	0
MEDICALLY TREATED INJURY	0	NEAR MISS INCIDENT	0
RESTRICTED WORK INJURY	0	RADIATION PROTECTION PLAN (RPP) – ISSUES REPORTED	0
LOST TIME INJURY	0		

Comments: No incidents occurred during the reporting period. Project monthly safety meeting was conducted on October 1. Topics included staying focused and finish strong and an incident video presentation and discussion on “would you have recognized the hazard”.

COMMUNITY LIAISON

No issues or concerns were reported or received by Newmont from the Spokane Tribe of Indians Community Liaison Officer. Mobilization notifications were provided to the Tribe during the week.

PROJECT MEETINGS, REGULATORY OVERSIGHT, AND SITE VISITORS

Weekly Progress Meeting:

The Weekly Construction Progress meeting was held at 1000 hours on Wednesday, October 2, 2019 at the on-site conference room and via conference call. Representatives from the following stakeholders attended the meeting in person or via telephone:

- EPA
- Spokane Tribe of Indians
- Jacobs
- Dawn Mining Company (DMC)/Newmont Goldcorp
- Stantec
- Ajax
- WME

Meeting Action Items:

- None.

EPA Plan/Document Approvals:

- The revised Specifications (Appendix K of the RAWP) were approved by EPA on September 27.

Regulatory Site Visit(s):

- Gabe Sedberry, Jacobs representing EPA, was on Site September 30 to October 2.
- Linda Meyer, EPA Remedial Project Manager, was on Site on October 2.

REMEDIAL WORK ACTIVITIES

Construction:

During the week of September 27 – October 3, 2019, the following activities were conducted:

- Continued excavating, hauling and placing low activity/low reactivity material to Pit 4 from the west and north sides of the South Waste Rock Pile (SWRP). Material from SWRP was placed in the Pit 4 Waste Containment Area (WCA).
- The above materials were excavated with either excavator or loader equipment and transported and plug dumped with haul trucks. The plug dumps were leveled with a dozer into lifts not exceeding 10' thick. Table 1 presents the 2019 Pit 4 mass haul material volume.

Table 1 – 2019 Pit 4 mass haul volume estimates

Reporting Period	Truck Loads	Estimated Volume ¹ yd ³
September 27 – October 3, 2019	3,059	85,652
2019 Cumulative	74,866	2,096,248

1 - Truck load assumed to be 28 yd³

- Continued installation of the Infiltration Collectors on the west side of Pit 4.
- Tetra Tech/AEG continued installation of the High Density Polyethylene (HDPE) Secondary Containment Liner in the South Pond. Preparation of the South Pond subgrade for liner installation and excavation of the anchor trench were performed concurrently with liner installation to minimize the amount of rework required if a significant rain event were to occur.
- Pit 4 tension crack was measured on September 29. The horizontal distance between movement pins remains at 53.75 inches, indicating no measurable movement.

Stormwater Pollution Prevention Plan (SWPPP)

- A post storm event SWPPP inspection was performed on September 29. All BMPs performed as designed and there were no discharges from the Site.

Spill Prevention, Control, and Countermeasure Activities (SPCC)

- SPCC containments were checked for water accumulation from precipitation events this week and drained of any accumulated water after verification that no oil sheen was present.

Equipment Mobilized/Demobilized and Material Delivered

The following equipment was mobilized to the Site during this reporting period.

- Caterpillar 730 articulated haul truck was mobilized to site on September 30.

The following equipment was demobilized from the Site during this reporting period.

- None.

All project owned non-road diesel equipment on Site is US-EPA Tier 4 compliant. On-site rental equipment and subsequent deliveries of rental equipment may be less than Tier 4 and will be assessed at the time of delivery.

Materials:

The following material was delivered to the Site during this reporting period.

- Pea Gravel for South Pond Leak Detection Sumps

Dust Control and Monitoring

Six dust monitors were operated during construction activities at the locations and for the time intervals listed in Table 2. The Total Suspended Particulate (TSP) action level of 260 micrograms/cubic meter was not exceeded during this reporting period.

Performed EPA Method 9 visual opacity observations of emissions from stationary sources and EPA Method 22 visible determination of fugitive emission (i.e. dust) from non-point sources at the site in accordance with the requirements of the Dust Control and Air Quality Monitoring Plan, Appendix B of the Remedial Action Work Plan (Stantec & WME, 2019).

Table 2 - TSP Dust Monitoring Locations during reporting period September 27 – October 3, 2019

Monitor ID	Location Description	Start Date	Status						
			Fri	Sat	Sun	Mon	Tue	Wed	Thurs
ES-1 (stationary)	Midnite Mine Top of Pit 4	04/01/19	D/N			D/N	D/N	D/N	D/N
ES-2 (stationary)	Midnite Mine Southeast Boundary	04/01/19	D/N			D/N	D/N	D/N	D/N
ES-3 (stationary)	Midnite Mine West Boundary	04/01/19	D/N			D/N	D/N	D/N	D/N
ES-4 (roving)	East of the Mid-WRP	08/19/19	D/N			D/N	D/N	D/N	D/N
ES-5 (roving)	Spare								
ES-6 (roving)	East Side of Pit 4	08/13/19	D/N			D/N	D/N	D/N	D/N
ES-7 (roving)	Southwest Side of Area 5	07/12/19	D/N			D/N	D/N	D/N	D/N
ES-8 (stationary)	Spare								
D=Day Shift (6:00 am to 4:30 pm) N=Night Shift (4:00 pm to 2:30 am) E=Environmental conditions (Fog, smoke, pollen, heavy rain, etc.) – No Operation * Equipment malfunction (Battery/Power Supply or Other)									

PROJECT DOCUMENTATION

Project Submittals, Engineering Change Notices (ECNs), Requests for Information (RFIs), Non-Compliance Notifications (NCNs), CQA-CQC Field Acceptance Forms and Other Items received, changed or noted during this time-period are shown in the table below:

Table 3 – CQA Documentation

Project Submittals			
Submittal No.	Title	Submittal Date	CQA Acceptance Date
None			
Project ECNs			
ECN No.	Title	EPA Submittal Date	EPA Response Date
None			
Project RFIs			
RFI No.	Title	CQC Submittal Date	CQA Response Date
2019-020	On-Site Monitoring Wells Location Update	9/12/2019	9/13/2019 EPA Approval on 9/30/2019

Project NCNs			
NCN No.	Title	CQA Issue Date	CQC Response Date
None to Date			
CQC-CQA Field Acceptance Forms			
CQC-CQA Acceptance No.	Title	CQC-CQA Issue Date	
2019 SP-05	Subgrade Acceptance for South Pond (Panels 59-72)	9/27/2019	
2019 SP-06	Subgrade Acceptance for South Pond (Panels 73-91)	10/2/2019	
2019 SP-07	Subgrade Acceptance for South Pond (Panels 92-107)	10/3/2019	
2019-23	West IC System – Subgrade Acceptance for Finger Drain No. 1, Section 5 (57 ft.)	10/1/2019	
Other Items			
Item	Title	Comments	
None			

Copies of the updated CQA Logs are located on the project SharePoint site under the 2019 CQA Folder.

SITE INSPECTIONS

Details regarding the four-phase CQA observation/inspection process for each definable work feature are summarized below and are further detailed in the daily CQC/CQA reports that are available on the project SharePoint site.

Preparatory Inspections / Meetings

- None during this time-period.

Initial Phase Inspections

- None during this time-period.

Follow-up Phase and Ongoing Inspections

- Daily observations/inspections were performed by CQA during this time-period pursuant to project specifications, design drawings and project documentation for applicable activities shown in the Construction Section of the Remedial Work Activities portion of this report.

Completion Inspections

- None

THREE WEEK LOOKAHEAD SCHEDULE

Three Week Lookahead Schedule

A copy of the Three Week Lookahead Schedule is provided as Attachment A.

Report completed and submitted by:

David Lee
Project Construction Director

Attachments

- Attachment A – Midnite Mine 3 Week Lookahead Schedule

Photos of pertinent items are provided below.



Figure 1 –Pit 4 overview, looking south.



Figure 2 – Caterpillar 345 Excavator placing drain gravel on top of the GCL in the IC – finger 1, looking northeast.



Figure 3 – AEG installing secondary containment geomembrane in the South Pond, looking north.

ATTACHMENT A

MIDNITE MINE THREE WEEK LOOKAHEAD SCHEDULE

